

From: Walicka, Malgorzata  
Sent: Tuesday, August 16, 2005 4:46 PM  
To: STIC-Biotech/ChemLib  
Subject: RE:

The structure is on page 25 of the specification. See below.

Thank you.

-----Original Message-----

From: STIC-Biotech/ChemLib  
Sent: Tuesday, August 16, 2005 1:35 PM  
To: Walicka, Malgorzata  
Subject: RE:

Where is the structure for this one?

-----Original Message-----

From: Chan, Christina  
Sent: Tuesday, August 16, 2005 12:54 PM  
To: Walicka, Malgorzata  
Cc: STIC-Biotech/ChemLib  
Subject: RE:

Please rush. Thanks Chris

Chris Chan  
SPE, 1644  
TC 1600 New Hire Training Coordinator  
571-272-0841  
Remsen 3E89

-----Original Message-----

From: Walicka, Malgorzata  
Sent: Tuesday, August 16, 2005 11:37 AM  
To: Chan, Christina  
Cc: STIC-Biotech/ChemLib  
Subject:

Please authorize the RUSH search of structure 6, page 25 of the specification in application No. 09/753,139.

Thank you.

Malgorzata A. Walicka, Ph.D.  
Patent Examiner  
Art Unit 1652, Recombinant Enzymes  
USPTO, Remsen Building, Room 2C76  
400 Dulany St.  
Alexandria, VA 22313  
Mail Room 2C70  
Tel. (571) 272-0944, fax (571) 273-0944

\*\*\*\*\*  
STAFF USE ONLY

Searcher: \_\_\_\_\_  
Searcher Phone: 2-\_\_\_\_\_  
Date Searcher Picked up: \_\_\_\_\_  
Date Completed: \_\_\_\_\_  
Searcher Prep/Rev. Time: \_\_\_\_\_  
Online Time: \_\_\_\_\_

\*\*\*\*\*  
Type of Search

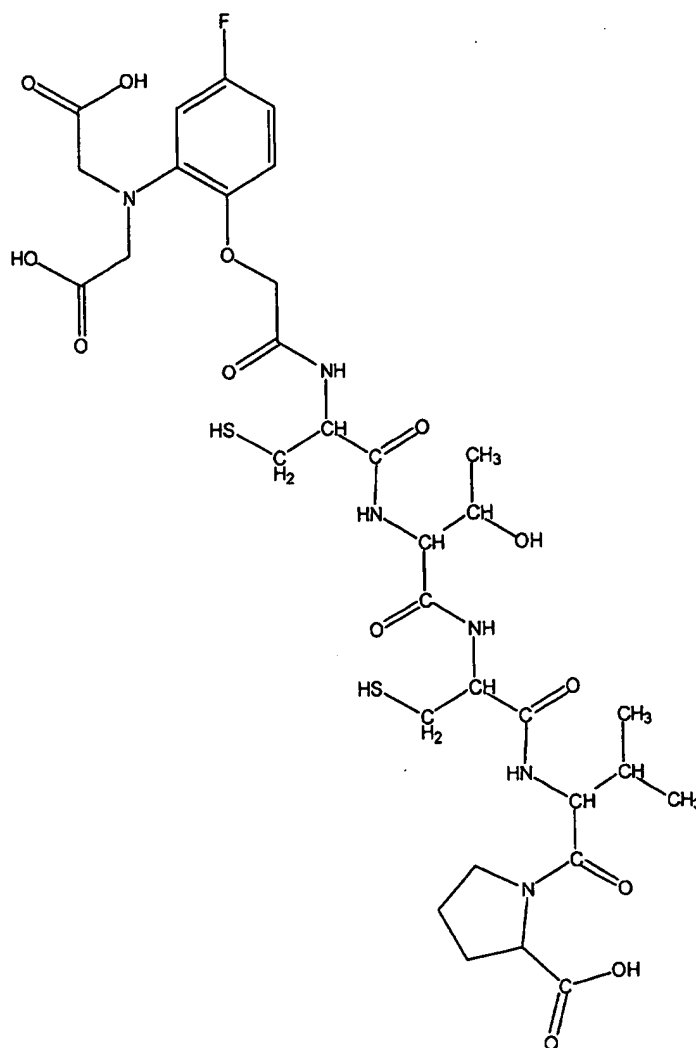
NA#: \_\_\_\_\_ AA#: \_\_\_\_\_  
Interference: \_\_\_\_\_ SPDI: \_\_\_\_\_  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure#: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*  
Vendors and cost where applicable

STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIT: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other(Specify): \_\_\_\_\_

Alternatively, AFTA can be linked to the cysteine thiol via a disulfide exchange reaction. The structure of the preferred chelating peptide is shown in Structure 6 below.

**Structure 6**



5

This chelating peptide possesses the ability to prevent the hydrolysis of the FRET substrate peptide in the standard assay. As seen in Figure 5,

09/753139

FILE 'REGISTRY' ENTERED AT 09:55:26 ON 17 AUG 2005  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 16 AUG 2005 HIGHEST RN 860495-66-5  
DICTIONARY FILE UPDATES: 16 AUG 2005 HIGHEST RN 860495-66-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

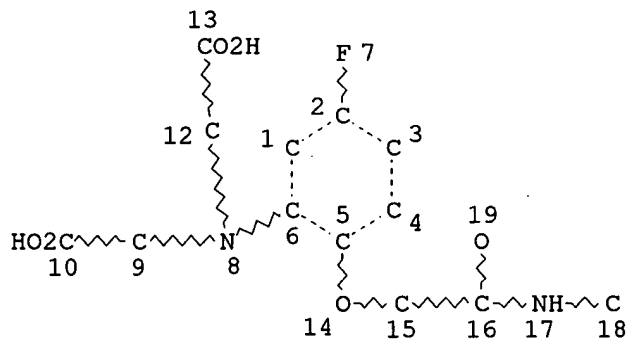
\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

L5

STR



NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RSPEC I  
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

Searcher : Shears 571-272-2528

09/753139

L7 2 SEA FILE=REGISTRY SSS FUL L5

100.0% PROCESSED 40 ITERATIONS  
SEARCH TIME: 00.00.01

2 ANSWERS

FILE 'CAPLUS' ENTERED AT 09:55:26 ON 17 AUG 2005  
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FILE COVERS 1907 - 17 Aug 2005 VOL 143 ISS 8  
FILE LAST UPDATED: 16 Aug 2005 (20050816/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

L8 1 L7

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:521516 CAPLUS  
DOCUMENT NUMBER: 137:103919  
TITLE: Design and use of advanced zinc-chelating  
peptide-chelator conjugates to regulate matrix  
metalloproteinases, and therapeutic use  
INVENTOR(S): Quirk, Stephen; Tyrrell, David John  
PATENT ASSIGNEE(S): Kimberly-Clark Worldwide, Inc., USA  
SOURCE: PCT Int. Appl., 57 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002053173	A2	20020711	WO 2001-US49276	20011221
WO 2002053173	A3	20030410		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG,			

Searcher : Shears 571-272-2528

CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 US 2003073808 A1 20030417 US 2000-753139 20001229  
 CA 2431853 AA 20020711 CA 2001-2431853 20011221  
 EP 1348024 A2 20031001 EP 2001-991359 20011221  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,  
 PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 PRIORITY APPLN. INFO.: US 2000-753139 A 20001229  
 WO 2001-US49276 W 20011221

AB The invention discloses MMP regulators that comprise synthetic peptides having amino acid sequences structurally similar to those of MMP binding region of TIMPs, coupled to zinc chelators. The invention also discloses methods for making these MMP regulators and their use for the treatment of chronic and acute wounds and for the treatment of angiogenesis-associated diseases.

IT **441283-33-6P 441283-34-7P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

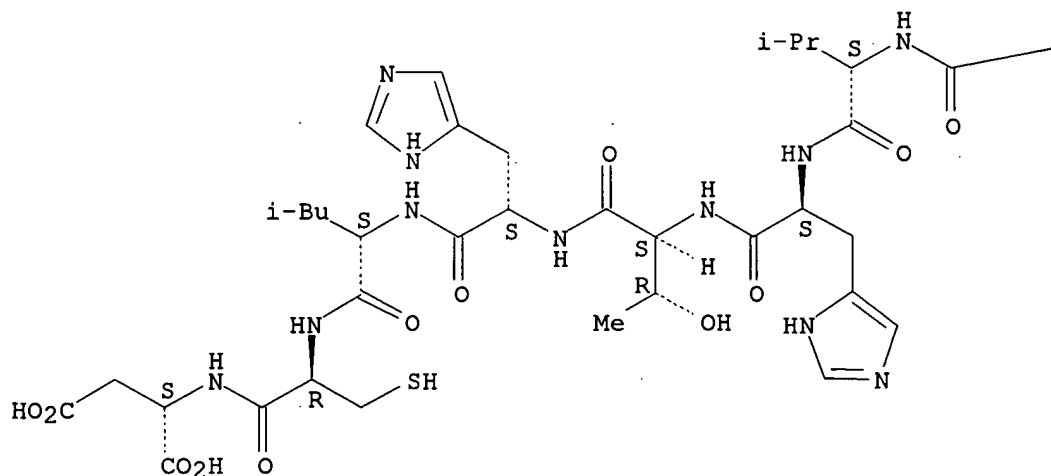
(zinc-chelating peptide-chelator conjugates for matrix metalloproteinase regulation, and therapeutic use)

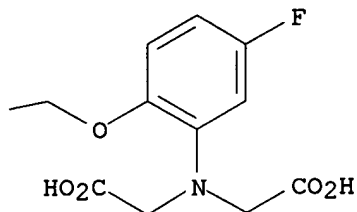
RN 441283-33-6 CAPLUS

CN L-Aspartic acid, N-[[2-[bis(carboxymethyl)amino]-4-fluorophenoxy]acetyl]-L-valyl-L-histidyl-L-threonyl-L-histidyl-L-leucyl-L-cysteinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

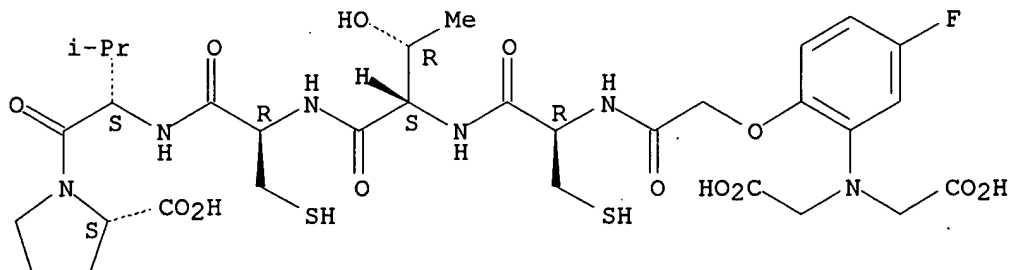




RN 441283-34-7 CAPLUS

CN L-Proline, N-[[2-[[bis(carboxymethyl)amino]-4-fluorophenoxy]acetyl]-L-cysteiny]-L-threonyl-L-cysteiny]-L-valyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



FILE 'CAOLD' ENTERED AT 09:55:36 ON 17 AUG 2005

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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L9

0 L7

FILE 'USPATFULL' ENTERED AT 09:55:41 ON 17 AUG 2005

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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 16 Aug 2005 (20050816/PD)

FILE LAST UPDATED: 17 Aug 2005 (20050817/ED)

HIGHEST GRANTED PATENT NUMBER: US6931661

09/753139

HIGHEST APPLICATION PUBLICATION NUMBER: US2005177917  
CA INDEXING IS CURRENT THROUGH 17 Aug 2005 (20050817/UPCA)  
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 16 Aug 2005 (20050816/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2005  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2005

>>> USPAT2 is now available. USPATFULL contains full text of the <<<  
>>> original, i.e., the earliest published granted patents or <<<  
>>> applications. USPAT2 contains full text of the latest US <<<  
>>> publications, starting in 2001, for the inventions covered in <<<  
>>> USPATFULL. A USPATFULL record contains not only the original <<<  
>>> published document but also a list of any subsequent <<<  
>>> publications. The publication number, patent kind code, and <<<  
>>> publication date for all the US publications for an invention <<<  
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<  
>>> records and may be searched in standard search fields, e.g., /PN, <<<  
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<  
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>>> classifications, or claims, that may potentially change from <<<  
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

L10 1 L7

L10 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 2003:106895 USPATFULL  
TITLE: Design and use of advanced zinc chelating peptides  
to regulate matrix metalloproteinases  
INVENTOR(S): Quirk, Stephen, Alpharetta, GA, UNITED STATES  
Tyrrell, David John, Appleton, WI, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003073808	A1	20030417
APPLICATION INFO.:	US 2000-753139	A1	20001229 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	JOHN S. PRATT, KILPATRICK STOCKTON LLP, 1100 PEACHTREE, SUITE 2800, ATLANTA, GA, 30309		
NUMBER OF CLAIMS:	23		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Page(s)		
LINE COUNT:	856		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to MMP regulators that comprise new  
synthetic peptides, that comprise amino acid sequences structurally  
similar to those of MMP binding region of TIMPs, coupled to zinc  
chelators. The invention also relates to methods for making these  
MMP regulators and their use for the treatment of chronic and acute  
wounds and for the treatment of angiogenesis-associated diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Searcher : Shears 571-272-2528

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L11            0 L7

FILE 'MARPAT' ENTERED AT 09:55:58 ON 17 AUG 2005  
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FILE CONTENT: 1988-PRESENT (VOL 143 ISS 06) (20050805/ED)

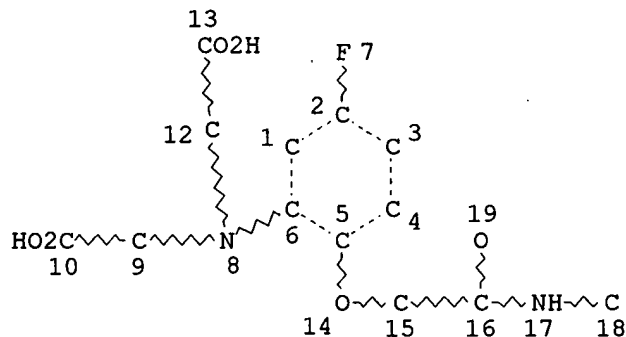
MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES  
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US     6894191 17 MAY 2005  
DE    10349972 25 MAY 2005  
EP     1535908 01 JUN 2005  
JP 2005116601 28 APR 2005  
WO 2005054245 16 JUN 2005

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L5            STR



NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RSPEC I  
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

ATTRIBUTES SPECIFIED AT SEARCH-TIME:  
ECLEVEL IS LIM ON ALL NODES  
ALL RING(S) ARE ISOLATED

Searcher : Shears 571-272-2528



L13 3 SEA FILE=MARPAT SSS FUL L5 (MODIFIED ATTRIBUTES)  
 L14 2 SEA FILE=MARPAT ABB=ON PLU=ON L13/COMPLETE

*Retrieves only  
hits w/ complete  
iterations*

L14 ANSWER 1 OF 2 MARPAT COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 140:213577 MARPAT

TITLE: Compositions and methods for detection and  
isolation of phosphorylated molecules

INVENTOR(S): Agnew, Brian; Beechem, Joseph; Gee, Kyle;  
Haugland, Richard; Liu, Jixiang; Martin, Vladimir;  
Patton, Wayne; Steinberg, Thomas

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 83 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

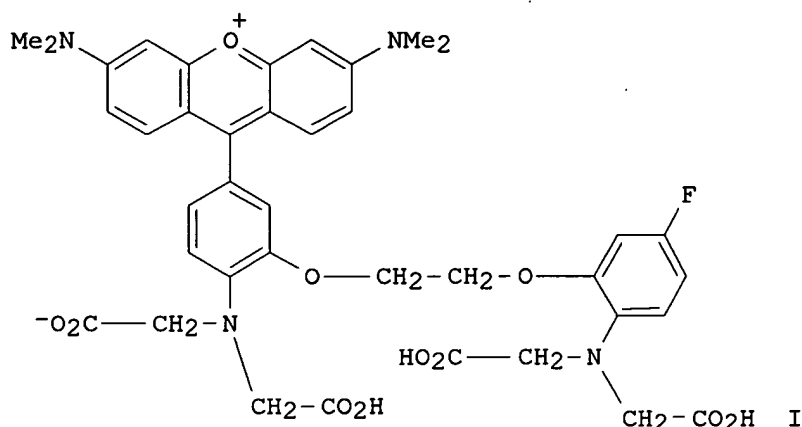
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004038306	A1	20040226	US 2003-428192	20030502
CA 2483868	AA	20040521	CA 2003-2483868	20030502
WO 2004042347	A2	20040521	WO 2003-US13765	20030502
WO 2004042347	A3	20050414		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1546118	A2	20050629	EP 2003-799756	20030502
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
US 2004171034	A1	20040902	US 2003-703816	20031107
US 2005014197	A1	20050120	US 2004-821522	20040409
PRIORITY APPLN. INFO.:			US 2002-377733P	20020503
			US 2002-393059P	20020628
			US 2002-407255P	20020830
			US 2003-440252P	20030114
			US 2003-428192	20030502
			WO 2003-US13765	20030502
			US 2003-703816	20031107

GI



AB The present invention relates to phosphate-binding compds. that find use in binding, detecting and isolating phosphorylated target mols. including the subsequent identification of target mols. that interact with phosphorylated target mols. or mols. capable of being phosphorylated. A binding solution is provide that comprises a phosphate-binding compound, an acid and a metal ion wherein the metal ion simultaneously interacts with an exposed phosphate group on a target mol. and the metal chelating moiety of the phosphate-binding compound forming a bridge between the phosphate-binding compound and a phosphorylated target mol. resulting in a ternary complex. The binding solution of the present invention finds use in binding and detecting immobilized and solubilized phosphorylated target mols., isolation of phosphorylated target mols. from a complex mixture and aiding in proteomic anal. wherein kinase and phosphatase substrates and enzymes can be identified. A human MRC-5 lung fibroblast cell lysate protein mixture was separated by two-dimensional gel electrophoresis. The gel was fixed and then phosphoproteins were stained with a solution containing 50 mM NaOAc, pH 4.0, 250 mM NaCl, 20% volume/volume 1,2-propanediol, 1  $\mu$ M rhodamine-BAPTA chelating compound I, and 1  $\mu$ M gallium chloride.

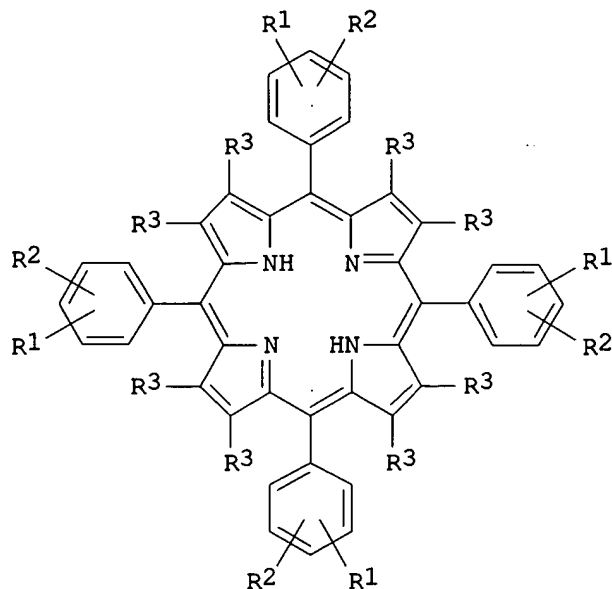
L14 ANSWER 2 OF 2 MARPAT COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 122:160040 MARPAT  
 TITLE: Preparation of meso-tetraphenylporphyrin complexes as diagnostic and therapeutic agents  
 INVENTOR(S): Maier, Franz Karl; Ebert, Wolfgang; Lee-Vaupel, Mary; Gries, Heinz; Conrad, Juergen  
 PATENT ASSIGNEE(S): Institut fuer Diagnostikforschung GmbH, Germany  
 SOURCE: Ger. Offen., 30 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4305523	A1	19940818	DE 1993-4305523	19930217
CA 2156158	AA	19940901	CA 1994-2156158	19940211
WO 9419352	A1	19940901	WO 1994-DE159	19940211

09/753139

W: CA, JP, NO, US  
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE  
EP 684948 A1 19951206 EP 1994-908251 19940211  
EP 684948 B1 19971022  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL,  
PT, SE  
JP 08506819 T2 19960723 JP 1994-518548 19940211  
AT 159526 E 19971115 AT 1994-908251 19940211  
ES 2110735 T3 19980216 ES 1994-908251 19940211  
NO 9503220 A 19951016 NO 1995-3220 19950816  
US 5674467 A 19971007 US 1995-513935 19950926  
PRIORITY APPLN. INFO.: DE 1993-4305523 19930217  
WO 1994-DE159 19940211  
GI



AB Title complexes comprising I [R1 = VCOA, VSO2A, VP(O)A2, NECH2COA; A = OH, OR4, NR5R6; E = acyl, alkylsulfonyl, carboxyalkyl, etc.; R2 = groups cited for R1 and R3; R3 = H, halo, alky; R4 = alkyl, CH2Ph; R5, R6 = H, hydrocarbyl, aryl(alkyl); NR5R6 = heterocyclyl; V = (un)substituted alkylene] and an ion of elements having Z = 21-32, 38, 39, 42-51, and 58-83 were prepared. Thus, Mn3+ {5,10,15,20-tetrakis[4-(carboxymethoxy)phenyl]porphyrin} chloride was prepared in 3 steps from 5,10,15,20-tetrakis(4-hydroxyphenyl)porphyrin. Physiol. compatibility and relaxivity data for 2 I were given.

FILE 'MARPATPREV' ENTERED AT 09:58:24 ON 17 AUG 2005  
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FILE LAST UPDATED: 17 AUG 2005(20050817)

Searcher : Shears 571-272-2528

09/753139

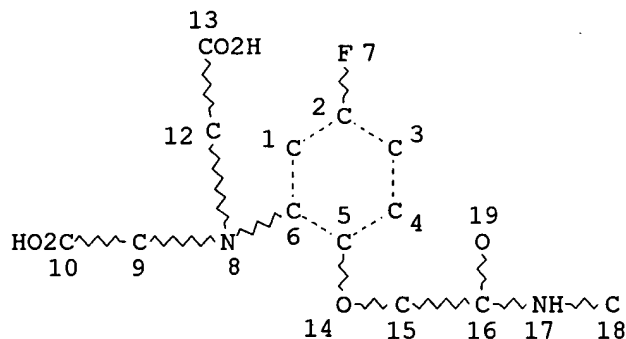
MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES  
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 6797117 28 SEP 2004  
DE 10322109 4 MAY 2004  
EP 1491180 29 DEC 2004  
JP 2004196848 15 JUL 2004  
WO 2005060437 7 JUL 2005

New CAS Information Use Policies, enter HELP USAGETERMS for details.

L5

STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

ATTRIBUTES SPECIFIED AT SEARCH-TIME:

ECLEVEL IS LIM ON ALL NODES

ALL RING(S) ARE ISOLATED

L15 0 SEA FILE=MARPATPREV SSS FUL L5 (MODIFIED ATTRIBUTES)

100.0% PROCESSED 74 ITERATIONS

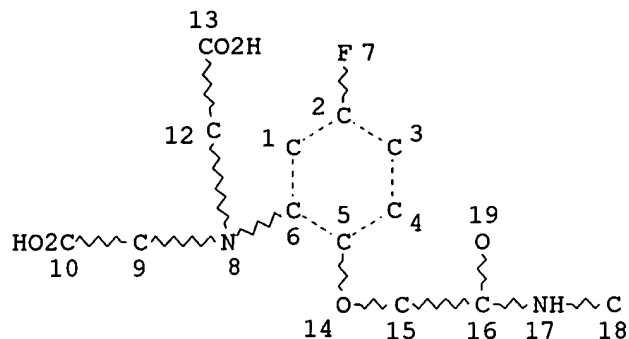
0 ANSWERS

SEARCH TIME: 00.00.01

FILE 'HOME' ENTERED AT 09:58:48 ON 17 AUG 2005

09/753139

=> d que stat 17; d que stat 114; d que stat 115; d his ful  
L5 STR



NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

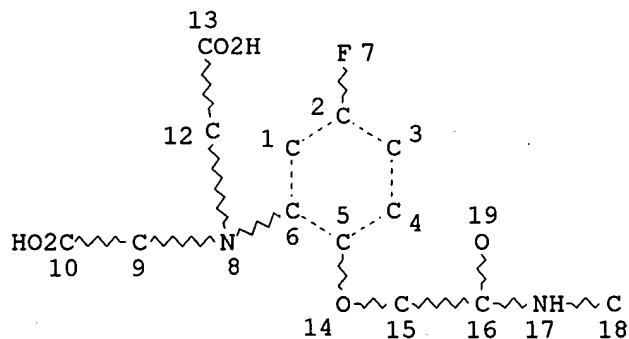
GRAPH ATTRIBUTES:  
RSPEC I  
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE  
L7 2 SEA FILE=REGISTRY SSS FUL L5

100.0% PROCESSED 40 ITERATIONS  
SEARCH TIME: 00.00.01

2 ANSWERS

L5 STR



NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RSPEC I  
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

ATTRIBUTES SPECIFIED AT SEARCH-TIME:  
ECLEVEL IS LIM ON ALL NODES

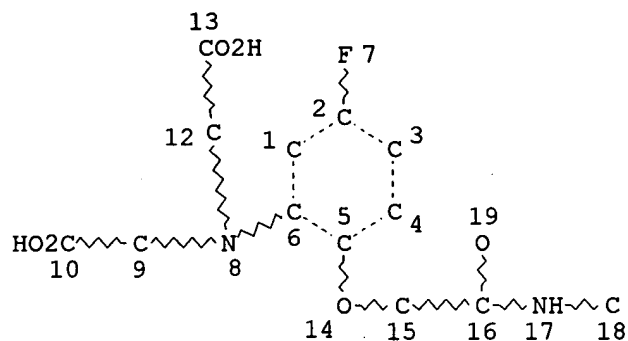
Searcher : Shears 571-272-2528

09/753139

ALL RING(S) ARE ISOLATED

L13 3 SEA FILE=MARPAT SSS FUL L5 (MODIFIED ATTRIBUTES)  
L14 2 SEA FILE=MARPAT ABB=ON PLU=ON L13/COMPLETE

L5 STR



NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RSPEC I  
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

ATTRIBUTES SPECIFIED AT SEARCH-TIME:  
ECLEVEL IS LIM ON ALL NODES  
ALL RING(S) ARE ISOLATED

L15 0 SEA FILE=MARPATPREV SSS FUL L5 (MODIFIED ATTRIBUTES)

100.0% PROCESSED 74 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

(FILE 'HOME' ENTERED AT 09:50:18 ON 17 AUG 2005)  
SET COST OFF

FILE 'REGISTRY' ENTERED AT 09:50:24 ON 17 AUG 2005

L1 STR  
L2 0 SEA SSS SAM L1  
L3 STR L1  
L4 0 SEA SSS SAM L3  
L5 STR L3  
L6 0 SEA SSS SAM L5  
L7 2 SEA SSS FUL L5

FILE 'REGISTRY' ENTERED AT 09:55:26 ON 17 AUG 2005  
D QUE STAT

Searcher : Shears 571-272-2528

09/753139

L8 FILE 'CAPLUS' ENTERED AT 09:55:26 ON 17 AUG 2005  
1 SEA ABB=ON PLU=ON L7  
D IBIB ABS HITSTR

L9 FILE 'CAOLD' ENTERED AT 09:55:36 ON 17 AUG 2005  
0 SEA ABB=ON PLU=ON L7

L10 FILE 'USPATFULL' ENTERED AT 09:55:41 ON 17 AUG 2005  
1 SEA ABB=ON PLU=ON L7  
D IBIB ABS

L11 FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 09:55:51 ON 17 AUG 2005  
0 SEA ABB=ON PLU=ON L7

FILE 'MARPAT' ENTERED AT 09:55:58 ON 17 AUG 2005  
D L5  
L12 0 SEA SSS SAM L5 (MODIFIED ATTRIBUTES)  
L13 3 SEA SSS FUL L5 (MODIFIED ATTRIBUTES)  
L14 2 SEA ABB=ON PLU=ON L13/COMPLETE  
D QUE STAT  
D 1-2 .BEVMAR1

L15 FILE 'MARPATPREV' ENTERED AT 09:58:24 ON 17 AUG 2005  
0 SEA SSS FUL L5 (MODIFIED ATTRIBUTES)  
D QUE STAT

FILE 'HOME' ENTERED AT 09:58:48 ON 17 AUG 2005  
D QUE STAT L5  
D QUE STAT L14  
D QUE STAT L15

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 AUG 2005 HIGHEST RN 860495-66-5

DICTIONARY FILE UPDATES: 16 AUG 2005 HIGHEST RN 860495-66-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMI

Searcher : Shears 571-272-2528

for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

#### FILE CAPLUS

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FILE COVERS 1907 - 17 Aug 2005 VOL 143 ISS 8  
 FILE LAST UPDATED: 16 Aug 2005 (20050816/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

#### FILE CAOLD

FILE COVERS 1907-1966  
 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

#### FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 16 Aug 2005 (20050816/PD)  
 FILE LAST UPDATED: 17 Aug 2005 (20050817/ED)  
 HIGHEST GRANTED PATENT NUMBER: US6931661  
 HIGHEST APPLICATION PUBLICATION NUMBER: US2005177917  
 CA INDEXING IS CURRENT THROUGH 17 Aug 2005 (20050817/UPCA)  
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 16 Aug 2005 (20050816/PD)  
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2005  
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2005

>>> USPAT2 is now available. USPATFULL contains full text of the  
 >>> original, i.e., the earliest published granted patents or  
 >>> applications. USPAT2 contains full text of the latest US  
 >>> publications, starting in 2001, for the inventions covered in  
 >>> USPATFULL. A USPATFULL record contains not only the original



09/753139

>>> published document but also a list of any subsequent  
>>> publications. The publication number, patent kind code, and  
>>> publication date for all the US publications for an invention  
>>> are displayed in the PI (Patent Information) field of USPATFULL  
>>> records and may be searched in standard search fields, e.g., /PN,  
>>> /PK, etc.

>>> USPATFULL and USPAT2 can be accessed and searched together  
>>> through the new cluster USPATALL. Type FILE USPATALL to  
>>> enter this cluster.  
>>>  
>>> Use USPATALL when searching terms such as patent assignees,  
>>> classifications, or claims, that may potentially change from  
>>> the earliest to the latest publication.

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

#### FILE MEDLINE

FILE LAST UPDATED: 16 AUG 2005 (20050816/UP). FILE COVERS 1950 TO DA

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP  
RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>  
[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the  
MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

#### FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 15 August 2005 (20050815/ED)

FILE RELOADED: 19 October 2003.

#### FILE EMBASE

FILE COVERS 1974 TO 11 Aug 2005 (20050811/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

#### FILE MARPAT

FILE CONTENT: 1988-PRESENT (VOL 143 ISS 06) (20050805/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES  
(COVERAGE TO THESE DATES IS NOT COMPLETE):

Searcher : Shears 571-272-2528

09/753139

US 6894191 17 MAY 2005  
DE 10349972 25 MAY 2005  
EP 1535908 01 JUN 2005  
JP 2005116601 28 APR 2005  
WO 2005054245 16 JUN 2005

Expanded G-group definition display now available.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

FILE MARPATPREV  
FILE COVERS CURRENT RECORDS AND IS UPDATED DAILY  
FILE LAST UPDATED: 17 AUG 2005(20050817)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES  
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 6797117 28 SEP 2004  
DE 10322109 4 MAY 2004  
EP 1491180 29 DEC 2004  
JP 2004196848 15 JUL 2004  
WO 2005060437 7 JUL 2005

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